94-102

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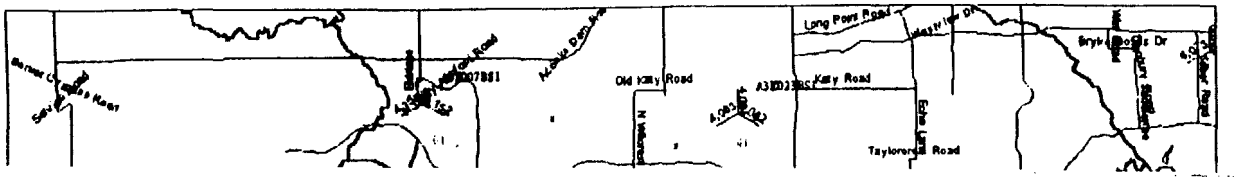
Houston E-OTD Stage One trial results
Presentation to the FCC
August 9th 2000

Houston test map



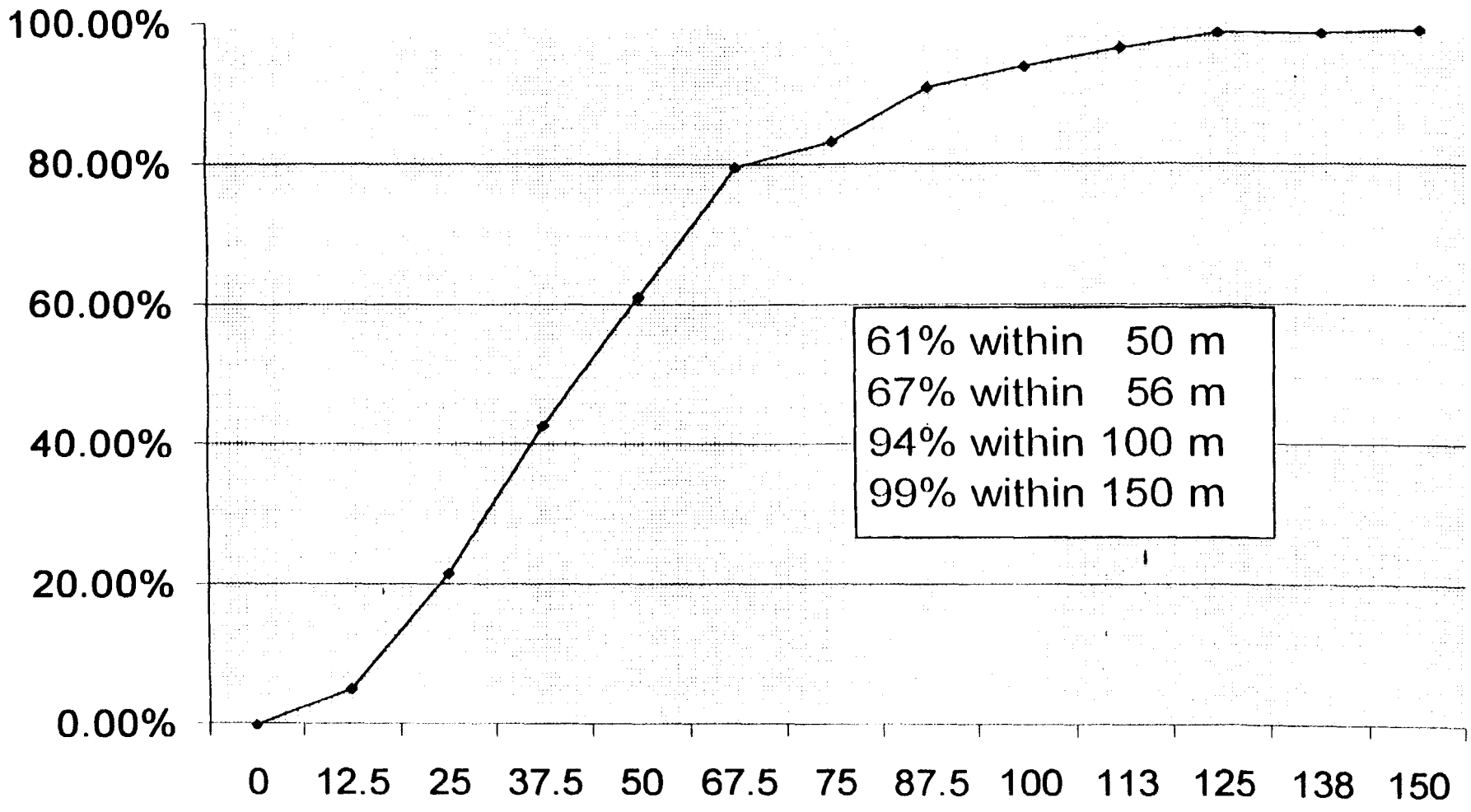
Trial description

- 325 Km² trial area in Houston commercial/suburban setting
- Cambridge Positioning Systems E-OTD equipment
- 23 Km² currently commissioned and operational
- Stage One: stationary measurements in vehicle and out of vehicle
- Stage Two: moving measurements in vehicles, and measurements inside buildings

Data collection

- Results represent all data collected between 28th July and 1st August in measurement area
- Data is collected by pressing a button on the handset and recording the returned position
- The position is provided in real time
- The data represents more than 500 position measurements throughout the 23 Km^2 test area
- The data presented does *not* accumulate measurements throughout a call to improve accuracy

Pedestrian measurements



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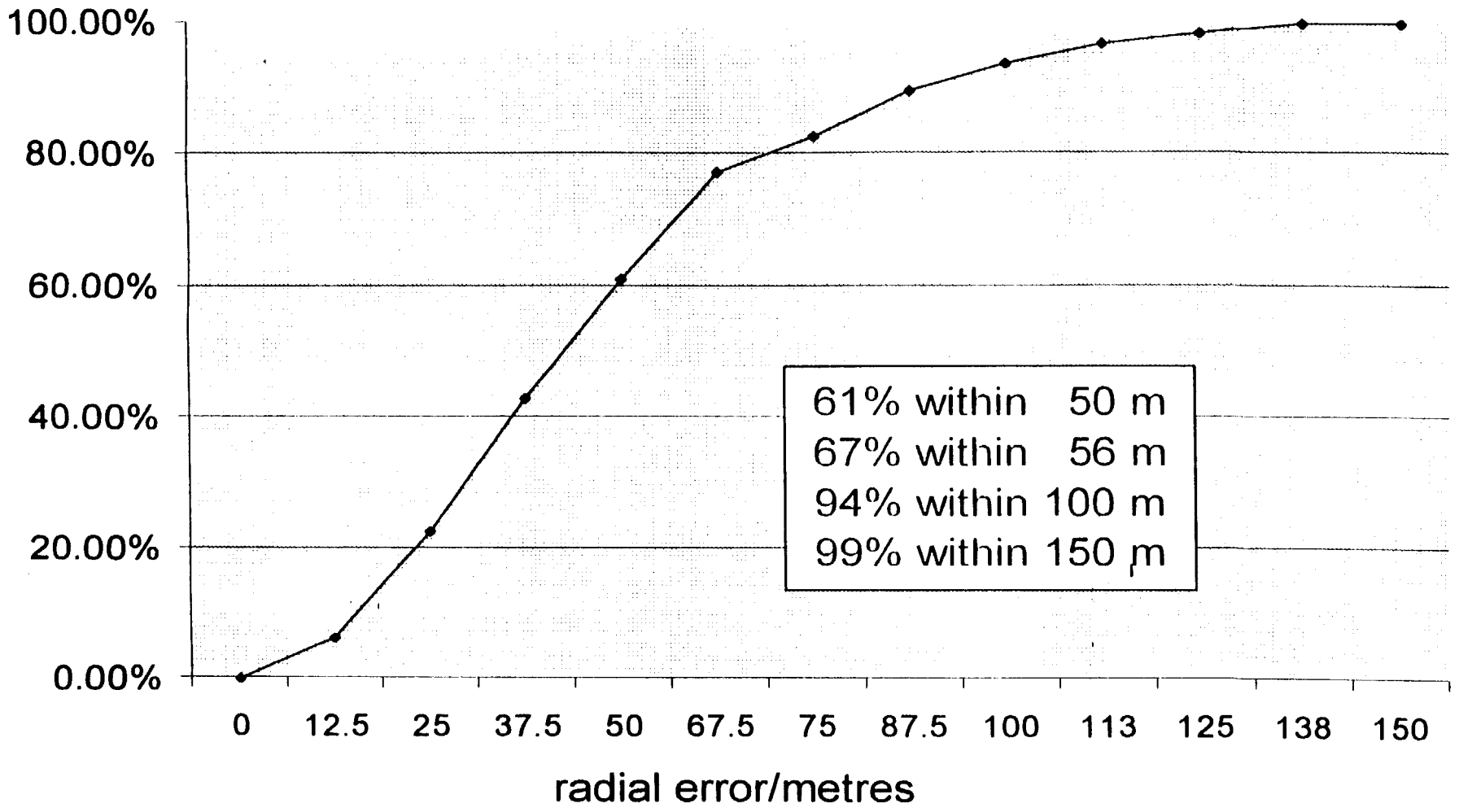
In vehicle measurements



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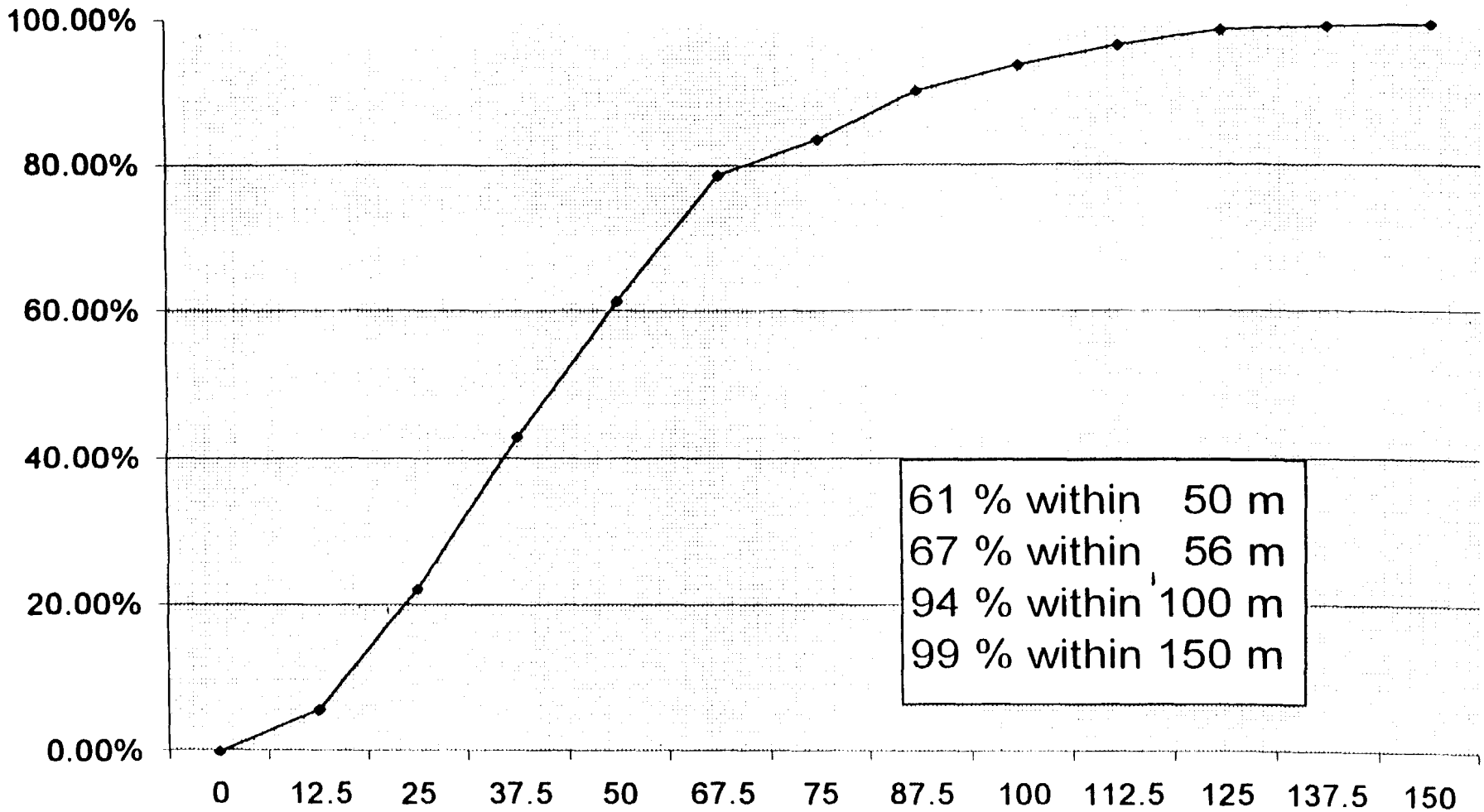
All measurements



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Results summary

- Virtually no difference between pedestrian and in vehicle measurements

- 61 per cent within 50 metres
- 67 per cent within 56 metres
- 94 per cent within 100 metres
- 99 per cent within 150 metres

Conclusions

- E-OTD appears, at this early stage, to perform well in areas representing more than 70 per cent of E911 calls

- The results indicate that E-OTD can approach the requirements of the FCC in these areas